

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on

Deaths in Selected Cities for Week Ended August 10, 1957

During the past 4 weeks 1,170 cases of poliomyelitis were reported. Of these, 243 or 21 percent were paralytic. This shows an even greater reduction in the proportion of cases with paralysis as compared with earlier reports. The report for the week ended July 13 showed 37 percent paralytic cases.

EPIDEMIOLOGICAL REPORTS

Influenza

In a summary of the influenza situation in California as of August 8, the State Department of Public Health stated that since early June 49 outbreaks of influenza-like disease have been reported in California. Six of these have been identified by isolation of influenza A viruses similar to the A/Japan/305/57 strain. Identification of influenza type A by the complement fixation test was obtained in 5 outbreaks. In 1 of these, it appears that 2 influenza viruses were causing illness

in an institution. On the girls' ward where the outbreak began, the symptoms were similar to those seen in other epidemics. Illness began several days later on the boys' ward and was milder. Two blood specimens from the girls were positive for influenza type A and 1 from the boys was positive for influenza type B. The number of cases reported in the outbreaks listed above involving civilians was 900 and among military personnel the total was 14,750. The probability that the total number of cases might be considerably higher was suggested. Of outbreaks currently under study, 600 cases in civilians and 800 in military personnel have been reported. There has been evidence of an increased incidence of influenza-like illness in the general population of 3 cities and 3 counties to date. Secondary cases in family groups in which 1 member has been ill, in connection with an outbreak, have been relatively few in number. In addition to the above re-

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Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	32d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Aug. 10, 1957	Ended Aug. 11, 1956	Median 1952-56	First 32 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	-	-	14	29	20	(2)	(2)	(2)	(2)
Botulism-----049.1	14	-	-	5	5	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	23	26	38	620	645	1,017	(2)	(2)	(2)	(2)
Diphtheria-----055	12	8	27	555	918	1,071	91	92	163	July 1
Encephalitis, infectious-----082	62	54	44	982	1,031	953	422	402	382	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	245	276	409	10,320	13,297	20,585	15,519	20,800	---	Sept. 1
Malaria-----110-117	7	8	36	78	138	393	(2)	(2)	(2)	(2)
Measles-----085	2,350	1,932	1,932	445,940	572,771	572,771	483,144	601,869	601,869	Sept. 1
Meningococcal infections-----057	38	31	43	1,590	1,888	2,951	2,321	2,811	4,180	Sept. 1
Meningitis, other-----340	73	27	---	1,320	900	---	---	---	---	---
Poliomyelitis-----080	356	876	1,785	2,897	6,179	10,989	2,371	5,112	9,316	Apr. 1
Paralytic-----080.0,080.1	70	360	---	973	2,993	---	699	2,410	---	Apr. 1
Nonparalytic-----080.2	205	373	---	1,472	2,171	---	1,309	1,886	---	Apr. 1
Unspecified-----080.3	81	143	---	452	1,015	---	363	816	---	Apr. 1
Psittacosis-----096.2	4	12	4	181	354	188	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	3	6	4	(2)	(2)	(2)	(2)
Typhoid fever-----040	29	43	73	759	1,092	1,212	502	780	810	Apr. 1
Typhus fever, endemic-----101	3	2	6	75	69	112	50	50	82	Apr. 1
Rabies in animals-----	78	64	80	2,976	3,234	4,777	3,940	4,261	6,298	Oct. 1

¹Reports show 1 case in Maryland and 3 cases in Washington State.

²Data show no pronounced seasonal change in incidence.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

EPIDEMIOLOGICAL REPORTS—Continued

ports, there have been numerous indications of a greater than usual incidence of respiratory infections of noninfluenza nature in California. Reports from 8 selected cities for the period July 1 to August 3 showed 3 deaths from influenza and 30 from pneumonia as compared with 0 and 40, respectively, for the same period of 1956. Dr. M. H. Merrill, California Director of Public Health, has reported that as of August 10 the number of outbreaks had increased to 50 and that a total of 2,350 civilians and 15,550 military cases were involved in the outbreaks identified as "Asian influenza."

Outbreaks of influenza-like illness have been reported among migrant laborers in 2 States. Dr. A. E. Heustis, Michigan Commissioner of Health, states that 12 cases occurred in a group of 66 persons who arrived in the State by bus from Mexico. The point of entry was Hidalgo, Texas. Similar illnesses were said to have occurred in 2 preceding groups that passed through the same point of entry. Onset of illness occurred 2 or 3 days after reaching Michigan. Two strains of influenza A virus resembling Far East strains were isolated from the 12 cases at the University of Michigan. On August 13, Dr. F. M. Davenport reported the isolation of 3 more strains of virus from groups working in 3 different areas. Dr. J. L. Freitag, New York State Department of Health, reported outbreaks of influenza-like illness in 2 migrant labor camps. Both groups came from Florida about 1 month prior to onset. The attack rate was 70 percent in one camp having a population of 110 and about 7.5 percent in the other having a population of 900. The peak of the epidemic was reached about August 1. Illness was characterized by fever, headache, generalized muscle pains, persistent cough, and weakness. No cases were hospitalized. Specimens for laboratory study have been obtained.

Dr. N. J. Rose, Illinois Department of Public Health, has reported the occurrence of influenza in a man who had contact with his brother whose illness was diagnosed clinically as "Asiatic influenza." Suspect cases in children seen by a pediatrician were also reported as influenza, but the cases have not fitted the clinical picture of influenza since they have glandular involvement, headache, and temperature elevations up to 105° F. Of 3 cases clinically diagnosed as influenza in one county and 1 case in another, 1 has been confirmed by isolation of virus. Two out-of-State cases were also confirmed by isolation of virus. Only 1 suspect case of influenza has been reported among Boy Scouts after returning from Valley Forge.

Dr. J. D. Martin, Louisiana State Department of Health, reports that Far East strains of influenza A virus have been isolated: 2 from residents of the State and 3 from Boy Scouts who were enroute home from Valley Forge to California and Hawaii. The 2 residents attended a church camp where 30 of the 60 children attending were ill. A mild influenza-like illness in the general population of 2 parishes is also under investigation. About 70 percent of the cases have been in the nonwhite population. Attack rates have been as high as 50 percent in nonwhite schools.

The following reports have been received relative to outbreaks in military personnel. A total of 322 cases have been reported at Fort Lewis, Washington. At Fort Dix, New Jersey, there were 20 cases over a 5-day period in one company. An influenza virus resembling the Far East strain was isolated from 1 of the cases. Two outbreaks consisting of 20 and about 80 cases respectively have been reported on installations in

Nevada. Two cases clinically diagnosed as bronchitis early in July at an Air Force base in Kansas have been confirmed by laboratory tests as Far East type of influenza. An outbreak at Harmon, Newfoundland, is under investigation. About 150 cases have been reported in connection with the outbreak at Mannheim, Germany.

Encephalitis

Dr. J. E. Peavy, Texas Department of Health, has given preliminary information on an outbreak of encephalitis reported from a county on the southern border of the State. During a 3-week period 32 cases were diagnosed clinically, and 8 other cases are suspected of being encephalitis. One death has been attributed to the disease. The State Department of Health laboratory has made 1 positive confirmation of St. Louis encephalitis and specimens on the other cases are currently under study.

The Washington State Department of Health has reported suspected cases of arthropod-borne encephalitis, both in humans and horses in the Columbia and Yakima river valleys.

Leptospirosis

Dr. Ralph H. Herren, Iowa State Department of Health, has reported a case of leptospirosis in a 38-year-old woman who works in a packinghouse. She became ill suddenly with fever, chills, severe headache, and nuchal rigidity. On the day of onset a spinal fluid cell count demonstrated 400 lymphocytes. Chloromycetin was administered intramuscularly; and with bed rest the symptoms subsided within 10 days. She remained well for about 5 weeks and then developed a low-grade fever, severe headache, and a spinal fluid cell count of 103 lymphocytes. Blood specimens were negative for complement fixing antibodies for leptospirosis. The microscopic agglutination test was applied to these specimens, and they were found positive in a dilution of 1:256 for *Leptospira pomona* and 1:64 for *L. sejroe*. At the time the woman became ill, she was removing kidneys from freshly killed hogs in the packinghouse.

Psittacosis

The California Department of Public Health has reported a case of psittacosis in a 55-year-old man. The diagnosis was confirmed by laboratory tests. The patient was exposed to pigeons and had casual contact with a flock of parakeets. The psittacosis virus was isolated from various pigeons.

Dr. Mason Romaine, Virginia Department of Health, has reported a case of psittacosis in a 28-year-old woman. A parakeet was found on a tree in her yard. This bird died several weeks before onset of the patient's illness. Chest X-ray showed pneumonitis compatible with psittacosis. Diagnosis was confirmed by complement fixation tests.

Shigellosis

Dr. George Erickson, Epidemiologist, Dade County (Florida) Health Department, has reported an outbreak of shigellosis among employees of a hospital. Fifty cases were diagnosed clinically and bacteriologic confirmation was obtained for most of these. The organism was *Shigella sonnei*. However, in the course of a survey of all employees, 6 stool specimens were found to be positive for *Salmonella oranienburg*. Only 5 patients in the hospital are known to have been infected during the outbreak. Turkey salad prepared by one of the asymptomatic food handlers was presumed to be the source of the outbreak.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 11, 1956 AND AUGUST 10, 1957

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS 082		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			32d week		Cumulative first 32 weeks				32d week		Cumulative first 32 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	23	26	12	8	555	918	62	54	245	276	10,320	13,297
NEW ENGLAND-----	-	-	-	-	19	9	-	-	22	12	566	864
Maine-----	-	-	-	-	3	-	-	-	6	3	181	208
New Hampshire-----	-	-	-	-	-	1	-	-	-	-	8	26
Vermont-----	-	-	-	-	-	-	-	-	-	2	86	104
Massachusetts-----	-	-	-	-	16	8	-	-	9	5	160	216
Rhode Island-----	-	-	-	-	-	-	-	-	2	1	50	115
Connecticut-----	-	-	-	-	-	-	-	-	5	1	81	195
MIDDLE ATLANTIC-----	3	-	-	1	56	44	6	11	39	64	1,578	2,843
New York-----	1	-	-	-	29	17	6	11	25	34	944	1,452
New Jersey-----	-	-	-	-	9	12	-	-	4	16	211	262
Pennsylvania-----	2	-	-	1	18	15	-	-	10	14	423	1,129
EAST NORTH CENTRAL-----	5	4	-	-	37	174	9	17	41	35	1,804	2,031
Ohio-----	-	-	-	-	8	14	5	15	7	7	453	499
Indiana-----	-	-	-	-	9	84	1	-	4	2	258	297
Illinois-----	3	1	-	-	3	8	1	2	14	14	387	476
Michigan-----	1	1	-	-	15	66	2	-	13	4	516	532
Wisconsin-----	1	2	-	-	2	2	-	-	3	8	190	227
WEST NORTH CENTRAL-----	3	14	4	-	51	91	10	3	22	18	616	1,120
Minnesota-----	1	1	-	-	21	25	-	-	8	8	224	347
Iowa-----	1	4	-	-	6	17	-	1	7	2	146	297
Missouri-----	1	6	-	-	1	10	-	-	1	1	105	60
North Dakota-----	-	-	-	-	3	5	10	-	2	1	75	87
South Dakota-----	-	-	-	-	6	6	-	-	1	5	27	138
Nebraska-----	-	-	3	-	9	25	-	-	1	1	17	90
Kansas-----	-	3	1	-	5	3	-	2	2	-	22	101
SOUTH ATLANTIC-----	2	2	1	7	158	192	1	5	19	19	776	834
Delaware-----	-	-	-	-	-	-	-	-	-	1	6	25
Maryland-----	1	-	-	-	1	-	-	4	-	-	80	70
District of Columbia-----	-	-	-	-	-	1	-	1	-	1	9	15
Virginia-----	-	1	-	1	10	22	-	-	6	3	307	325
West Virginia-----	-	-	-	-	4	5	-	-	2	4	62	50
North Carolina-----	-	-	-	-	22	25	-	-	5	-	67	76
South Carolina-----	-	-	1	2	25	46	-	-	-	-	21	50
Georgia-----	1	-	-	4	35	39	-	-	1	4	84	112
Florida-----	-	1	-	-	61	54	1	-	5	6	140	111
EAST SOUTH CENTRAL-----	5	2	-	-	69	120	2	1	22	34	1,410	1,180
Kentucky-----	-	-	-	-	12	8	-	-	10	9	603	364
Tennessee-----	2	-	-	-	7	19	2	-	5	8	534	507
Alabama-----	1	1	-	-	29	59	-	1	3	11	170	147
Mississippi-----	2	1	-	-	21	34	-	-	4	6	103	162
WEST SOUTH CENTRAL-----	-	1	5	-	118	223	18	2	16	16	765	988
Arkansas-----	-	1	-	-	9	17	-	1	-	2	58	90
Louisiana-----	-	-	-	-	9	25	-	-	3	2	43	102
Oklahoma-----	-	-	1	-	17	56	2	1	-	-	93	73
Texas-----	-	-	4	-	83	125	16	-	13	12	571	723
MOUNTAIN-----	1	1	1	-	21	23	-	2	12	21	902	1,205
Montana-----	-	-	1	-	5	3	-	-	2	1	120	302
Idaho-----	-	-	-	-	1	1	-	-	1	1	62	157
Wyoming-----	-	-	-	-	1	3	-	-	1	1	45	64
Colorado-----	-	-	-	-	2	3	-	1	3	11	141	272
New Mexico-----	-	-	-	-	8	5	-	-	-	-	309	107
Arizona-----	1	1	-	-	3	5	-	-	2	4	165	240
Utah-----	-	-	-	-	1	3	-	-	-	2	35	60
Nevada-----	-	-	-	-	-	-	-	1	3	1	25	3
PACIFIC-----	4	2	1	-	26	42	16	13	52	57	1,903	2,232
Washington-----	2	-	-	-	19	5	-	-	9	9	255	488
Oregon-----	-	1	-	-	2	10	-	-	8	13	360	436
California-----	2	1	1	-	5	27	16	13	35	35	1,288	1,308
Alaska-----	-	-	-	-	-	35	-	-	1	1	56	64
Hawaii-----	-	-	-	-	-	-	1	-	1	-	32	29
Puerto Rico-----	-	-	-	-	33	48	-	-	-	9	116	166

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 11, 1956 AND AUGUST 10, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ¹				Paralytic		Nonparalytic					
	32d week		Cumulative first 32 weeks		080.0,080.1		080.2		110-117		085	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	356	876	2,897	6,179	70	360	205	373	7	8	2,350	1,932
NEW ENGLAND-----	2	22	35	118	-	3	2	15	-	-	320	87
Maine-----	-	1	3	12	-	-	-	1	-	-	21	12
New Hampshire-----	1	1	3	3	-	-	1	1	-	-	1	3
Vermont-----	-	1	2	16	-	-	-	1	-	-	118	16
Massachusetts-----	1	11	11	55	-	2	1	6	-	-	70	36
Rhode Island-----	-	1	-	7	-	-	-	-	-	-	3	-
Connecticut-----	-	7	16	25	-	1	-	6	-	-	107	20
MIDDLE ATLANTIC-----	14	56	122	352	3	17	6	26	-	-	434	531
New York-----	7	39	76	240	2	11	4	22	-	-	347	385
New Jersey-----	5	14	23	55	1	6	2	4	-	-	56	78
Pennsylvania-----	2	3	23	57	-	-	-	-	-	-	31	68
EAST NORTH CENTRAL-----	131	328	477	1,415	18	170	78	113	-	1	514	386
Ohio-----	30	34	106	169	6	11	6	6	-	-	44	52
Indiana-----	8	25	50	102	-	11	6	6	-	-	10	12
Illinois-----	25	218	99	872	7	131	9	78	-	-	72	51
Michigan-----	40	32	135	162	4	9	36	17	-	-	80	160
Wisconsin-----	28	19	87	110	1	8	21	6	-	1	308	111
WEST NORTH CENTRAL-----	51	94	235	457	6	14	22	57	1	-	124	67
Minnesota-----	6	5	28	46	1	1	5	4	-	-	9	7
Iowa-----	6	42	27	153	-	3	6	38	-	-	37	28
Missouri-----	10	24	66	131	-	7	2	6	-	-	14	18
North Dakota-----	2	-	5	6	1	-	1	-	-	-	45	12
South Dakota-----	18	3	24	18	3	1	2	-	-	-	18	-
Nebraska-----	3	12	49	44	1	1	2	9	-	-	1	2
Kansas-----	6	8	36	59	-	1	4	-	1	-	-	-
SOUTH ATLANTIC-----	52	88	429	568	13	29	32	50	1	1	128	155
Delaware-----	2	2	4	7	-	1	2	1	-	-	-	3
Maryland-----	1	-	7	25	1	-	-	-	-	-	28	11
District of Columbia-----	1	1	8	3	1	-	-	1	-	-	9	2
Virginia-----	4	13	44	69	4	3	-	10	-	-	16	35
West Virginia-----	1	10	14	42	-	5	1	5	-	-	4	15
North Carolina-----	25	24	134	113	1	11	22	11	-	1	4	21
South Carolina-----	6	6	87	45	1	2	2	3	-	-	17	15
Georgia-----	4	14	43	80	4	4	-	7	1	-	21	9
Florida-----	8	18	88	184	1	3	5	12	-	-	29	44
EAST SOUTH CENTRAL-----	17	37	221	261	6	15	8	13	4	1	100	171
Kentucky-----	6	7	42	76	4	2	2	5	4	1	9	48
Tennessee-----	6	6	74	48	2	3	4	3	-	-	41	87
Alabama-----	2	3	28	26	-	-	-	-	-	-	47	29
Mississippi-----	3	21	77	111	-	10	2	5	-	-	3	7
WEST SOUTH CENTRAL-----	40	102	757	1,362	12	56	24	41	1	3	248	188
Arkansas-----	4	12	47	73	2	10	2	2	-	-	1	11
Louisiana-----	9	41	114	357	2	22	7	19	-	-	11	13
Oklahoma-----	7	15	74	113	1	10	2	-	1	-	10	9
Texas-----	20	34	522	819	7	14	13	20	-	3	226	155
MOUNTAIN-----	15	46	145	334	4	10	7	7	-	1	214	104
Montana-----	1	1	5	19	-	-	1	1	-	-	23	11
Idaho-----	3	2	13	48	1	1	1	1	-	-	70	11
Wyoming-----	-	1	8	11	-	-	-	1	-	-	1	4
Colorado-----	3	5	22	39	1	4	1	1	-	-	34	18
New Mexico-----	5	4	33	28	1	1	2	2	-	-	36	16
Arizona-----	3	5	35	79	1	4	2	1	-	1	33	19
Utah-----	-	25	25	88	-	-	-	-	-	-	14	25
Nevada-----	-	3	4	22	-	-	-	-	-	-	3	-
PACIFIC-----	34	103	476	1,312	8	46	26	51	-	1	268	243
Washington-----	-	7	3	59	-	1	-	3	-	-	50	35
Oregon-----	1	9	34	81	1	-	-	6	-	-	79	26
California-----	33	87	439	1,172	7	45	26	42	-	1	139	182
Alaska-----	-	-	2	7	-	-	-	-	-	-	1	13
Hawaii-----	-	2	2	55	-	2	-	-	-	-	12	172
Puerto Rico-----	3	-	17	34	3	-	-	-	-	-	20	49

¹Includes cases not specified by type, category number 080.3.

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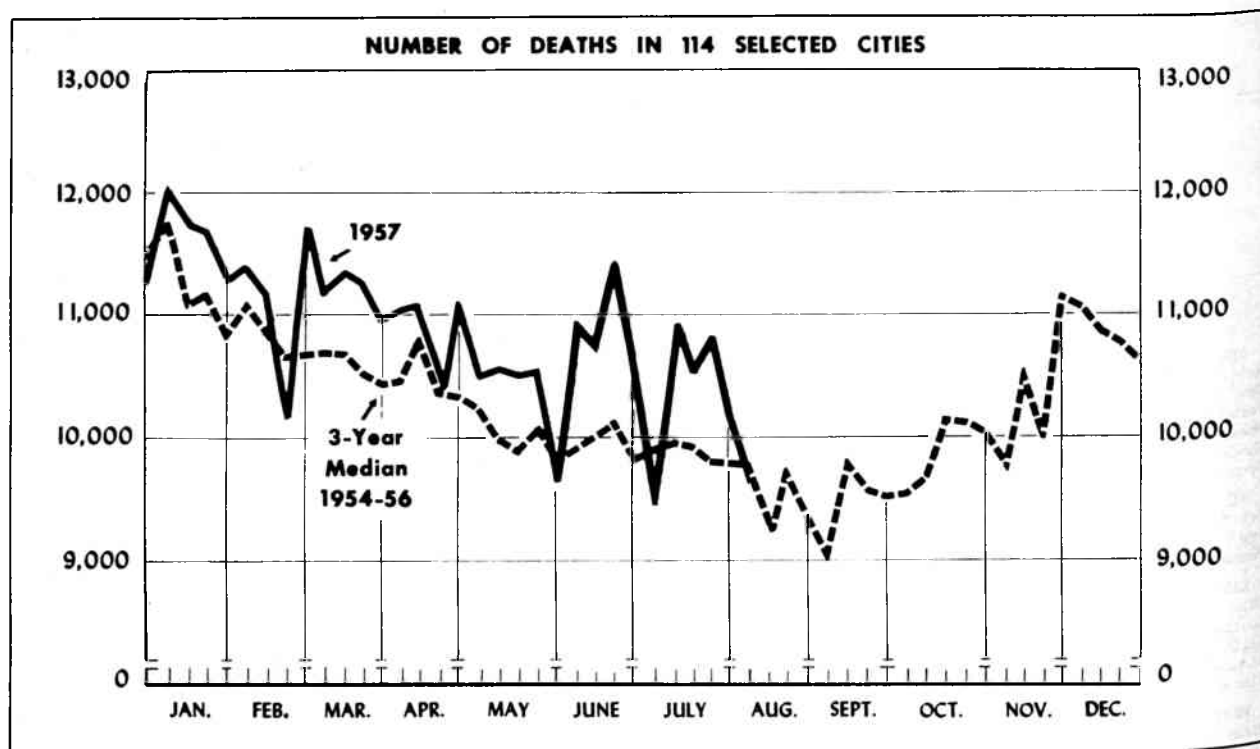
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 11, 1956 AND AUGUST 10, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			096.2		32d week		Cumulative first 32 weeks			101	
	1957	1956		1957	1956	1957	1956	1957	1956		1957	1956
CONT. UNITED STATES-----	38	31	73	4	12	29	43	759	1,092	3	78	64
NEW ENGLAND-----	2	1	1	-	1	-	-	17	39	-	-	-
Maine-----	-	-	-	-	-	-	-	2	12	-	-	-
New Hampshire-----	1	-	-	-	-	-	-	2	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	1	1	-	-	1	-	-	7	12	-	-	-
Rhode Island-----	-	-	1	-	-	-	-	4	5	-	-	-
Connecticut-----	-	-	-	-	-	-	-	2	9	-	-	-
MIDDLE ATLANTIC-----	1	2	-	-	-	3	7	81	147	-	8	1
New York-----	1	-	-	-	-	2	2	33	40	-	7	1
New Jersey-----	-	1	-	-	-	1	-	18	17	-	-	-
Pennsylvania-----	-	1	-	-	-	-	5	30	90	-	1	-
EAST NORTH CENTRAL-----	8	7	11	2	6	2	9	80	163	-	7	14
Ohio-----	1	1	-	-	1	2	1	38	32	-	-	7
Indiana-----	-	1	3	-	-	-	-	15	19	-	1	2
Illinois-----	2	1	7	1	3	-	5	11	31	-	-	3
Michigan-----	5	4	1	1	-	-	3	10	40	-	1	-
Wisconsin-----	-	-	-	-	2	-	-	6	41	-	5	2
WEST NORTH CENTRAL-----	5	-	1	1	-	4	4	54	142	-	25	8
Minnesota-----	4	-	-	1	-	-	-	4	32	-	9	2
Iowa-----	1	-	1	-	-	3	-	13	54	-	10	2
Missouri-----	-	-	-	-	-	1	4	28	33	-	1	3
North Dakota-----	-	-	-	-	-	-	-	1	6	-	1	-
South Dakota-----	-	-	-	-	-	-	-	4	3	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	8	-	4	1
Kansas-----	-	-	-	-	-	-	-	4	6	-	-	-
SOUTH ATLANTIC-----	2	3	34	-	1	8	6	162	173	-	16	16
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	-
Maryland-----	-	1	2	-	1	-	1	3	15	-	-	-
District of Columbia-----	-	-	1	-	-	1	-	8	11	-	-	-
Virginia-----	1	-	28	-	-	1	1	28	28	-	6	5
West Virginia-----	-	-	3	-	-	2	1	40	17	-	1	1
North Carolina-----	-	1	-	-	-	1	1	12	20	-	1	-
South Carolina-----	-	-	-	-	-	-	1	13	17	-	5	7
Georgia-----	1	-	-	-	-	2	-	22	35	-	-	3
Florida-----	-	1	-	-	-	1	1	35	29	-	3	-
EAST SOUTH CENTRAL-----	13	5	19	-	1	4	5	126	129	1	7	9
Kentucky-----	4	-	-	-	-	2	-	38	25	-	4	-
Tennessee-----	-	1	14	-	1	-	3	51	54	-	-	1
Alabama-----	7	4	-	-	-	-	-	9	12	1	3	8
Mississippi-----	2	-	5	-	-	2	2	28	38	-	-	-
WEST SOUTH CENTRAL-----	2	9	5	1	-	5	5	163	196	1	9	7
Arkansas-----	-	-	2	-	-	1	-	30	41	-	2	2
Louisiana-----	2	1	-	-	-	-	-	38	34	1	-	5
Oklahoma-----	-	-	1	1	-	1	1	17	25	-	-	-
Texas-----	-	8	2	-	-	3	4	78	96	-	7	-
MOUNTAIN-----	2	2	2	-	-	1	2	30	34	-	1	2
Montana-----	-	1	-	-	-	-	-	2	3	-	-	-
Idaho-----	-	-	-	-	-	-	-	2	2	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	2	-	-	-
Colorado-----	1	1	2	-	-	-	-	7	8	-	-	-
New Mexico-----	-	-	-	-	-	1	1	11	11	-	-	-
Arizona-----	1	-	-	-	-	-	-	6	5	-	1	1
Utah-----	-	-	-	-	-	-	-	-	1	-	-	1
Nevada-----	-	-	-	-	-	-	1	-	2	-	-	-
PACIFIC-----	3	2	-	-	3	2	5	46	69	1	5	7
Washington-----	-	-	-	-	-	-	-	2	1	-	-	-
Oregon-----	-	-	-	-	-	-	-	5	6	-	-	-
California-----	3	2	-	-	3	2	5	39	62	1	5	7
Alaska-----	-	-	-	-	-	-	-	1	1	-	-	-
Hawaii-----	-	-	-	-	-	-	-	4	-	-	-	-
Puerto Rico-----	-	-	-	-	-	1	1	14	35	-	-	-

Symbol.--1 dash [-]: no cases reported.

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the

interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	32d week ended Aug. 10, 1957	31st week ended Aug. 3, 1957	32d week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 32 WEEKS		
					1957	1956	Percent change
TOTAL: 113 REPORTING CITIES-----	9,673	10,170	9,763	-0.9	347,529	337,787	+2.9
New England----- (14 cities)	578	626	648	-10.8	22,543	21,914	+2.9
Middle Atlantic----- (20 cities)	2,719	2,790	2,850	-4.6	101,192	99,480	+1.7
East North Central----- (19 cities)	2,087	2,247	2,105	-0.9	74,913	73,704	+1.6
West North Central----- (8 cities)	701	722	700	+0.1	23,811	22,925	+3.9
South Atlantic----- (11 cities)	794	829	882	-10.0	29,335	28,379	+3.4
East South Central----- (8 cities)	471	511	469	+0.4	15,519	15,279	+1.6
West South Central----- (13 cities)	821	947	834	-1.6	29,274	26,923	+8.7
Mountain----- (8 cities)	251	282	226	+11.1	8,649	7,900	+9.5
Pacific----- (12 cities)	1,251	1,216	1,233	+1.5	42,293	41,283	+2.4

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	32d week ended Aug. 10, 1957	31st week ended Aug. 3, 1957	CUMULATIVE NUMBER FIRST 32 WEEKS		AREA	32d week ended Aug. 10, 1957	31st week ended Aug. 3, 1957	CUMULATIVE NUMBER FIRST 32 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	207	223	7,649	7,368	St. Louis, Mo.-----	242	231	7,624	7,556
Bridgeport, Conn.-----	29	34	1,198	1,183	St. Paul, Minn.-----	52	60	2,144	2,135
Cambridge, Mass.-----	30	22	976	963	Wichita, Kans.-----	55	48	1,437	1,299
Fall River, Mass.-----	26	24	877	903	SOUTH ATLANTIC				
Hartford, Conn.-----	35	43	1,578	1,515	Atlanta, Ga.-----	78	117	3,488	3,522
Lowell, Mass.-----	30	22	887	784	Baltimore, Md.-----	218	188	7,742	7,398
Lynn, Mass.-----	13	19	663	675	Charlotte, N. C.-----	38	44	1,072	1,000
New Bedford, Mass.-----	10	18	793	732	Jacksonville, Fla.-----	49	49	1,720	1,640
New Haven, Conn.-----	42	43	1,487	1,487	Miami, Fla.-----	43	43	1,559	1,633
Providence, R. I.-----	44	68	2,031	2,028	Norfolk, Va.-----	26	33	1,173	1,025
Somerville, Mass.-----	19	13	451	516	Richmond, Va.-----	61	66	2,410	2,274
Springfield, Mass.-----	32	35	1,370	1,344	Savannah, Ga.-----	27	27	946	926
Waterbury, Conn.-----	22	20	809	813	Tampa, Fla.-----	59	50	2,019	1,921
Worcester, Mass.-----	39	42	1,774	1,583	Washington, D. C.-----	164	172	6,019	5,932
MIDDLE ATLANTIC					Wilmington, Del.-----	31	40	1,187	1,108
Albany, N. Y.-----	38	36	1,583	1,572	EAST SOUTH CENTRAL				
Allentown, Pa.-----	35	38	1,233	1,220	Birmingham, Ala.-----	99	85	2,515	2,469
Buffalo, N. Y.-----	142	144	4,642	4,529	Chattanooga, Tenn.-----	51	40	1,481	1,359
Camden, N. J.-----	38	38	1,301	1,248	Knoxville, Tenn.-----	21	26	887	1,112
Elizabeth, N. J.-----	30	26	929	900	Louisville, Ky.-----	92	116	3,351	3,445
Erie, Pa.-----	36	35	1,154	1,078	Memphis, Tenn.-----	86	125	3,445	3,187
Jersey City, N. J.-----	68	77	2,241	2,265	Mobile, Ala.-----	23	38	1,139	1,068
Newark, N. J.-----	83	90	3,369	3,121	Montgomery, Ala.-----	33	28	776	932
New York City, N. Y.-----	1,324	1,355	50,864	50,113	Nashville, Tenn.-----	66	53	1,925	1,707
Paterson, N. J.-----	30	31	1,254	1,187	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	429	432	15,766	15,565	Austin, Tex.-----	30	34	972	902
Pittsburgh, Pa.-----	160	181	5,810	5,913	Baton Rouge, La.-----	24	20	810	707
Reading, Pa.-----	18	16	750	698	Corpus Christi, Tex.-----	18	25	674	609
Rochester, N. Y.-----	90	84	3,057	3,010	Dallas, Tex.-----	114	91	3,545	3,398
Schenectady, N. Y.-----	28	26	752	724	El Paso, Tex.-----	30	34	997	868
Scranton, Pa.-----	36	41	1,221	1,127	Fort Worth, Tex.-----	51	71	2,000	1,854
Syracuse, N. Y.-----	46	54	1,835	1,886	Houston, Tex.-----	142	158	4,866	4,276
Trenton, N. J.-----	35	35	1,435	1,399	Little Rock, Ark.-----	44	64	1,767	1,453
Utica, N. Y.-----	30	29	1,028	955	New Orleans, La.-----	148	188	5,510	5,142
Yonkers, N. Y.-----	23	22	968	970	Oklahoma City, Okla.-----	52	55	1,983	1,986
EAST NORTH CENTRAL					San Antonio, Tex.-----	94	115	3,075	2,811
Akron, Ohio-----	41	70	1,734	1,683	Shreveport, La.-----	34	40	1,499	1,448
Canton, Ohio-----	29	20	990	917	Tulsa, Okla.-----	40	52	1,576	1,469
Chicago, Ill.-----	606	700	24,027	23,841	MOUNTAIN				
Cincinnati, Ohio-----	138	165	4,870	4,881	Albuquerque, N. Mex.-----	19	24	811	734
Cleveland, Ohio-----	203	184	6,689	6,632	Colorado Springs, Colo.-----	12	16	439	411
Columbus, Ohio-----	112	95	3,616	3,448	Denver, Colo.-----	106	118	3,552	3,491
Dayton, Ohio-----	54	85	2,319	2,126	Ogden, Utah-----	13	11	388	399
Detroit, Mich.-----	287	336	10,423	10,265	Phoenix, Ariz.-----	28	26	944	850
Evansville, Ind.-----	30	14	976	1,069	Pueblo, Colo.-----	13	13	407	388
Flint, Mich.-----	38	33	1,209	1,247	Salt Lake City, Utah-----	42	56	1,418	1,460
Fort Wayne, Ind.-----	43	34	1,148	1,137	Tucson, Ariz.-----	18	18	690	167
Gary, Ind.-----	32	31	938	912	PACIFIC				
Grand Rapids, Mich.-----	37	29	1,314	1,345	Berkeley, Calif.-----	17	11	608	545
Indianapolis, Ind.-----	120	110	3,786	3,755	Long Beach, Calif.-----	60	37	1,732	1,671
Milwaukee, Wis.-----	128	118	4,200	3,988	Los Angeles, Calif.-----	425	503	15,331	15,054
Peoria, Ill.-----	30	34	967	896	Oakland, Calif.-----	91	79	3,075	2,934
South Bend, Ind.-----	24	37	824	773	Pasadena, Calif.-----	38	34	1,147	1,145
Toledo, Ohio-----	83	96	3,079	3,028	Portland, Oreg.-----	121	74	3,073	3,050
Youngstown, Ohio-----	52	56	1,804	1,761	Sacramento, Calif.-----	43	36	1,644	1,541
WEST NORTH CENTRAL					San Diego, Calif.-----	78	60	2,568	2,405
Des Moines, Iowa-----	61	56	1,757	1,626	San Francisco, Calif.-----	160	183	6,160	6,129
Duluth, Minn.-----	22	34	845	859	Seattle, Wash.-----	130	138	4,216	4,093
Kansas City, Kans.-----	---	---	---	(1,015)	Spokane, Wash.-----	49	30	1,490	1,500
Kansas City, Mo.-----	97	113	3,824	3,530	Tacoma, Wash.-----	39	31	1,249	1,216
Minneapolis, Minn.-----	116	118	4,001	3,823	Honolulu, Hawaii-----	(38)	(36)	(1,236)	(1,115)
Omaha, Nebr.-----	56	62	2,179	2,097					

Symbols.—parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

EPIDEMIOLOGICAL REPORTS—Continued

SOURCE AND NATURE OF MORBIDITY DATA

Salmonellosis

The California State Department of Public Health has given preliminary information on outbreaks of salmonellosis in 3 groups of persons. Two groups attended wedding receptions where approximately 500 persons were served by the same caterer. The third group, also served by the same caterer, involved 5 persons with 3 illnesses. Nausea, vomiting, abdominal discomfort, diarrhea, and fever developed from 10 to 72 hours after eating turkey. Of 291 cases reported, *Salmonella typhimurium* was isolated from 103. The same organism was isolated from samples of the turkey. The turkeys were from 2 different sources, but it is known that there was some interchange of meat for the 2 receptions. It appears most probable that meat of one or more of the turkeys was contaminated with salmonellae that either survived the cooking process or were reintroduced after cooking. Available information suggests it is unlikely that one of the food handlers was a carrier of the organism.

Gastro-enteritis

The California State Department of Public Health has also reported an outbreak of gastro-enteritis among approximately 2,000 persons following a picnic. Of these, about 200 became ill from 4 to 12 hours later. Several food items were served, but barbecued beef appeared to be the most likely vehicle of infection. Bacteriologic examination of a specimen of barbecued beef revealed the presence of a coagulase-negative staphylococcus and a streptococcus. This food item was prepared by a caterer, and staphylococci were found in a stool specimen from one food handler.

Another California report told of an outbreak of gastro-enteritis involving 8 persons who ate in a lodge. They became ill with abdominal cramps, diarrhea, and vomiting from 8 to 10½ hours later. Epidemiological investigation revealed that chicken a la king, in addition to several other food items, was eaten by nearly all persons. None of this food was available for laboratory tests.

The Los Angeles City Health Department has reported an outbreak of gastro-enteritis among 40 persons who ate in an eating establishment. Of these, 9 became ill from 7½ to 17½ hours later. Fried chicken was suspected to be the vehicle of infection, but none was available for laboratory tests.

The California State Department of Public Health has also told of 2 other outbreaks of gastro-enteritis among 154 persons in a labor camp; one followed the other by 5 days. Twenty-four persons were affected in the first and 30 became ill in the second. Diarrhea and abdominal cramps, but no vomiting, occurred approximately 7 hours after the evening meal. No food was available for bacteriologic examination. The source was not determined, but dietary change from food these people are accustomed to eating may have been a contributing factor.

QUARANTINE MEASURESImmunization Information for International Travel
No changes reported.

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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